SONY®

Colour Video Monitor

PVM-20S1WE

To meet the growing demand for 16:9 equipment in the production area, Sony presents a new addition to its line-up of production video monitors: the Sony PVM-20S1WE Colour Video Monitor for 16:9 picture viewing in post production and broadcast stations.
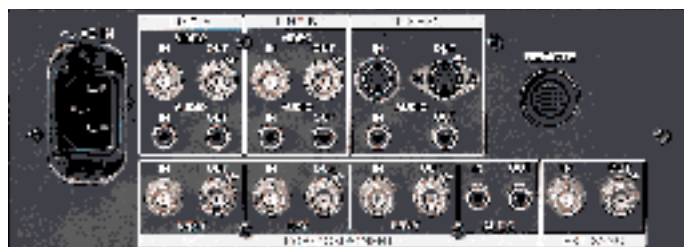
Incorporating all of the superb features of Sony production monitors, the PVM-20S1WE offers flexibility of signal connections, a full range of optional functions and ease of operation, fully preparing the user for the various video sources provided in the 16:9 environment.

Control Panel

Rear Panel

FEATURES

Main Features

- **16:9 Aspect Ratio CRT**
  The PVM-20S1WE 20-inch wide picture tube facilitates comfortable 16:9 picture viewing. High contrast images are achieved by its dark panel.

- **SDI (Serial Digital Interface) option**
  Inserting optional serial digital interface kits - the Sony BKM-101C (video) and BKM-102 (audio) - into the monitor allows the PVM-20S1WE to accept ITU-R BT.656 / SMPTE 259M component serial digital signals.

- **Worldwide TV standards**
  The PVM-20S1WE accepts PAL, NTSC and SECAM signals. NTSC4.43 can also be reproduced. All signal types are automatically selected.

- **16:9/4:3 capability**
  By pressing a front panel button, the aspect ratio can be switched between 16:9 and 4:3.

- **Underscan, H/V delay capability**
  When Underscan mode is selected, the entire active picture area is displayed. This makes it possible to view the whole image to check picture edges. The H/V delay function allows viewing of the blanking area and sync/burst signal by displaying the horizontal and vertical intervals in the centre of the screen.

- **Remote/Tally**
  Parallel remote control and Tally can be operated via a 20-pin connector.

- **Serial Remote Control option**
  Serial remote control of the monitor is facilitated by installing the optional Sony BKM-103 RS-422 Serial Remote Control Kit.

- **Mountable in a 19-inch EIA standard rack**
  Despite its 16:9 aspect ratio, the PVM-20S1WE can be mounted in a 19-inch EIA standard rack with an optional slide rail kit, the Sony SLR-103A.

  Note) The bezel protrudes slightly from the rack (90mm).

Other Useful Features

- **Digital 3-line Comb Filter**
- **Beam Current Feedback circuit**
- **Analogue component (Y/R-Y/B-Y) or RGB, Y/C and composite video inputs**
- **External sync input**
- **Colour temperature D65 (standard), D93 or user preset (3200K to 10000K)**
- **Blue Only mode**
- **Auto/Manual Degaussing**
- **Auto Chroma/(Phase) Setup**
- **On-screen menu in English, French, German, Spanish or Italian**
- **Sub-control mode for Contrast, Brightness, Chroma and Phase**
- **User preset memory for Brightness, Chroma, Phase, Contrast, Aperture and Volume**

SPECIFICATIONS

CRT	AG pitch	Variable pitch 0.65 to 0.75 mm
	Phosphor	P-22
	Visible screen size	46cm (18inch) diagonally
Resolution		300TV lines
Colour system		PAL, NTSC, SECAM, NTSC4.43
Aperture correction		0 to +6dB
Frequency response		LINE: 6MHz(±3dB) *Y signal only
		RGB: 6MHz(±3dB)
Synchronization		AFC time constant 1.0mS
Normal scan		7% over scan
Under scan		5% under scan
Linearity		H: less than 8% (typical)
		V: less than 7% (typical)
Convergence		Centre: 0.6mm (typical)
		Peripheral: 1.2mm (typical)
Raster size stability		H: 1.0%
		V: 1.5%
HV regulation		4.0%
Colour temperature		D65, D93 USER (3200K to 10000K)
Speaker out		0.8W (distortion: less than 5%)
Power consumption		100W (with SDI: 110W)
AC input range		AC220 to 240V (50/60Hz)
Operation temperature		0 to 35℃
Storage temperature		-10° to 40°C
Operation humidity		35 to 85% (no condensation)
Storage humidity		0 to 90%
Dimensions		482 (W) × 397 (H) × 503 (D) mm
		19 × 15 3/4 × 19 7/8 inches
Mass		approx. 25kg (55lb 2oz)
		{including SDI : 26kg (57lb 5oz)}
Supplied accessories		20-pin remote cable
		Tally label
		AC power cord
		AC plug holder
		Blind panel kit for SLR-103A*
		Operation manual
Optional accessories		BKM-101C
		(component serial digital interface kit (video))
		BKM-102
		(component serial digital interface kit (audio))
		BKM-103 (serial remote control kit for RS-422A)
		SLR-103A (slide rail)

*Because the bezel protrudes from the rack when you mount the PVM-20S1WE, you cannot completely insert the SLR-103A.
The blind panel kit is supplied to cover the exposed part of the slide rail.

Inputs / Outputs

Line A/B	1.0Vp-p±6dB
	Loop-through BNC automatic 75Ω termination
Line C	Y: 1.0Vp-p±6dB
	C: (NTSC): 0.286Vp-p+±6dB
	(PAL): 0.3Vp-p±6dB
	Loop-through Mini DIN 4-pin automatic 75Ω termination
RGB/Component (selectable)	R/R-Y: 0.7Vp-p±6dB
	G: 0.7Vp-p±6dB
	Sync on G: 0.3Vp-p±6dB
	Y: 1.0Vp-p±6dB
	B/B-Y: 0.7Vp-p±6dB
	Loop-through BNC automatic 75Ω termination
External Sync	4Vp-p±6dB, negative
	Loop-through BNC automatic 75Ω termination

Safety Standard

TÜV IEC-950, CE (EMC, LVD)

Features and specifications are subject to change without notice.

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Printed in Japan
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